

WE CLAIM:

1. A retention clip adapted to be mounted to a PC board for retaining a length of fiber optic cable comprising:
  - 5 a body portion;  
at least a pair of spaced legs extending from the body portion, each of the legs adapted to be received in a mounting opening formed in the PC board, each of the spaced legs including a foot portion adapted for securing the body to the circuit board; and
  - 10 at least a pair of spaced arms extending from the body portion, each of the arms defining a slot between the arm and the body portion for receiving and retaining a portion of the length of fiber optic cable, wherein the arms are spaced a distance from each other for retaining the fiber optic cable in an arc having a radius greater than a minimum bend radius of the fiber
  - 15 optic cable.
2. The clip of claim 1 wherein the legs extend from the body portion at an angle.
- 20 3. The clip of claim 2 wherein the legs are attached at a position adjacent an outer edge of the body portion.
4. The clip of claim 3 wherein the arms are attached to the body portion at a position adjacent the legs and extend in a direction opposite that
- 25 of the legs.
5. The clip of claim 3 wherein the arms are attached to a central portion of the body portion.
- 30 6. The clip of claim 1 wherein the body portion includes a pair of openings, each of the openings positioned adjacent each of the arms.

7. The clip of claim 6 wherein each of the arms includes a tab portion adapted to lock into the adjacent opening of the body portion.

5 8. The clip of claim 1 wherein each of the arms includes a constriction feature to narrow the notch defined between each the arm and the body portion.

9. The clip of claim 1 wherein each foot extends at an angle from  
10 each the leg.

10. The clip of claim 9 wherein each foot is formed at an orientation substantially parallel to the body portion.

15 11. The clip of claim 6 wherein the body portion includes two layers of material.

12. The clip of claim 11 wherein one of the layers is positioned to narrow a portion of the pair of openings.

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13. The clip of claim 1 wherein the clip includes four legs and four arms.

14. The clip of claim 1 wherein the clip is made of a resilient  
25 material.

15. The clip of claim 14 wherein the resilient material is one of metal and plastic.

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16. A PC board and retaining clip assembly for retaining a length of fiber optic cable thereto, comprising:

a PC board including two pair of mounting openings;

a pair of retaining clips, each of the clips including a body  
5 portion including a pair of spaced legs being inserted into the pair of mounting openings, each of the clips including a pair of spaced arms, each of the arms defining a slot with the body portion; and

a length of optic cable retained in the slots of the pair of retaining clips.

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17. A method of operation of a retention clip adapted to be mounted directly to a PC board for retaining a length of fiber optic cable on the PC board, comprising:

providing a first and second pair of openings through the PC  
15 board in a spaced apart configuration;

applying pressure to a first pair of legs on a first retention clip such that the first pair of legs may be inserted through the first pair of openings on the PC board;

releasing pressure from the first pair of legs to retain the first clip  
20 to the PC board;

applying pressure to a second pair of legs on a second retention clip such that the second pair of legs may be inserted through the second pair of openings on the PC board and retained thereto;

releasing pressure from the second pair of legs to retain the  
25 second clip to the PC board; and

securing the length of fiber optic cable to the first and second retention clips in a radius greater than a minimum bend radius of the fiber optic cable.

18. The method of claim 17 wherein securing the length of fiber optic cable comprises:

providing a first pair of slots to the first retention clip;

providing a second pair of slots to the second retention clip;

5 inserting a first portion of the length of the fiber optic cable into the first pair of slots;

inserting a second portion of the length of the fiber optic cable into the second pair of slots; and

closing the first and second pair of slots.

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19. A clip comprising a body portion, the body portion including a pair of spaced first and second legs extending in a first direction from the body portion and a pair of spaced arms extending in a second direction from the body portion, the second direction being opposite from the first direction,  
15 the arms defining a slot with the body portion.

20. The clip of claim 19 wherein the arms further comprise means for locking a distal end of each the arms to the body portion.